Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start		Rating **	Α	Issue No.		27	
LM End		Issue Type +	Ма	Location *		N/A	
Category Earthen Levee			GPS La	atituc	le/Longitude		
Calegory				Start		End	
Item	Flood Preparedness & Training				0		0
пеш					0		0
DWR ID DWR_NA0002_01_s _ 2012_27							
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			
LMA is pre	pared to re	espond to a flo	ood eme	gency.			

No Photos

LM Start		Rating **	Α	Issue No.		32	
LM End		Issue Type +	Ma	Location *	n * N/A		
Category	GPS La	atitud	e/Longitude				
Category	Category					End	
Item	Operation		0		0		
item	Manuals			0		0	
DWR ID	DWR_NA0	002_01_s _ 201	3_32				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			

No Photos

The LMA maintains a copy of the O&M manual on file at district office.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start		Rating **	Α	Issue No.		33	
LM End		Issue Type +	Ма	Location *		N/A	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory						End	
Item	Emergency Supplies &				0		0
пеш	Equipmer	Equipment			٥		0
DWR ID	DWR_NA0	002_01_s _ 201	3_33				
		Comn	nent Cod	le			
	Inspector Comment						
	LMA maintains an adequate amount of flood fight supplies and equipment for flood response.						

No Photos

LM Start	0.02	Rating ""	IVI	issue ivo.		59	
LM End	6.00	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee	GPS Latitude/Longitude				
Calegory				Start		End	
Item	Vegetatio	n		38.1863	40°	38.129627	0
item				-121.5629	92 °	-121.578757	٥
DWR ID	DWR NAO	002 01 s 201	7 59				٦

No Photos

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

LM Start	0.02	Rating **	М	Issue No.		64							
LM End	6.00	Issue Type +	Ma	Location *		WS							
Category Earthen Levee				GPS Latitude/Longitude									
				Start		End							
Item	Vegetation				40°	38.129627 °							
пеш				-121.5629	92 °	-121.578757 °							
DWR ID	DWR ID DWR_NA0002_01_s _ 2017_64												
Comment Code													
V1 · Contr	al annual c	irace and was	de on th	a lavaa slar	200	V1: Control annual grass and weeds on the levee slones and							

No Photos

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

-							
LM Start	1.56	Rating **	U	Issue No.		25	
LM End	1.56	Issue Type +	Ма	Location *	LS		
Category	evee	GPS La	atitud	le/Longitude			
Calegory				Start		End	
Item	Trim / Thin Trees				69°	38.172869°	
item				-121.580681 °		-121.580681 °	
DWR ID	DWR_NA0	002_01_s _ 201	2_25				
		Comn	nent Cod	le			
T1: Trim t	rees to at	least five feet	above g	round level			
-							
	Inspector Comment						
Tree block	ing landwa	ard toe.					

LM Start	1.56	Rating **	U	Issue No.	25 (cont)
LM End	1.56	Issue Type +	Ma	Location *	LS



Looking northwest at untrimmed tree at landward toe. (Spring 2015)

Photo 2 of 3: SP_2017_NA0002_62_25_20170314_00021.jpg



Looking west at untrimmed tree at landward toe. (Sping 2015)

LM Start	1.56	Rating **	U	Issue No.	25 (cont)
LM End	1.56	Issue Type +	Ma	Location *	LS



Looking southwest at an untrimmed tree on landward slope and toe. (Spring 2014)

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	1.79	Rating **	U	Issue No.		74	
LM End	1.79	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Slope Sta	bility		38.16962	25 °	38.169625 °	
item				-121.58154	12 °	-121.581542°	
DWR ID DWR_NA0002_01_f _ 2016_74							
Comment Code							

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Landowner is damaging landward slope by using it as a ramp to access his property.

LM Start	1.79	Rating **	U	Issue No.	74 (cont)
LM End	1.79	Issue Type +	Ma	Location *	LS

Photo 1 of 3: SP_2017_NA0002_62_74_20170314_00062.jpg



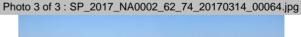
Looking west at slope damage on waterward slope.

Photo 2 of 3: SP_2017_NA0002_62_74_20170314_00063.jpg



Looking south at slope damage on waterward slope.

LM Start	1.79	Rating **	U	Issue No.	74 (cont)
LM End	1.79	Issue Type +	Ma	Location *	LS





Looking north at slope damage on waterward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	2.25	Rating **	М	Issue No.		6			
LM End	2.25	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory			Start		End				
Item	Trim / Thi	n Trees		38.1634	60°	38.163460 °			
пеш				-121.5844	06°	-121.584406 °			
DWR ID	DWR ID DWR_NA0002_01_s _ 2012_6								
		Comn	nent Cod	le					
T1: Trim t	rees to at	least five feet	above g	round level.					
		Inspect	or Comm	nent					

No Photos

LM Start	2.34	Rating **	M	Issue No.		72	
LM End	2.34	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Trim / Thi	n Trees		38.1622	42 °	38.162242 °	
item		-121.5850	58°	-121.585058 °			
DWR ID	DWR_NA0	002_01_f _ 2010	6_72				

No Photos

Comment Code
T1 : Trim trees to at least five feet above ground level.

Inspector Comment

LM Start	2.36	Rating **	М	Issue No.	7		
LM End	2.36	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Animal Control			38.1620	04°	38.162004 °	
пеш				-121.5852	29°	-121.585229 °	
DWR ID DWR_NA0002_01_s _ 2012_7							
Comment Code							

No Photos

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	2.40	Rating **	С	Issue No.		8	
LM End	2.40	Issue Type +	Ма	Location *		LS	
Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Encroachments			38.1615	73°	38.161573 °	
пеш			-121.585720 °		-121.585720 °		
DWR ID DWR_NA0002_01_s _ 2013_8							
		Comn	nent Cod	le			
GA : Garba	age						
		Inspecto	or Comm	nent			

No Photos

LM Start	2.45	Rating **	U	Issue No.		28			
LM End	2.49	Issue Type +	Ma	Location *	LS				
Category Earthen Levee				GPS Latitude/Longitude					
Calegory				Start		End			
Item	Vegetation			38.1608	05 °	38.160281 °			
item				-121.5857	82 °	-121.586007°			
DWR ID DWR_NA0002_01_s _ 2013_28									

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense vegetation and wild roses on landside slope and toe.

LM Start	2.45	Rating **	U	Issue No.	28 (cont)
LM End	2.49	Issue Type +	Ma	Location *	LS

Photo 1 of 2: SP_2017_NA0002_62_28_20170314_00025.jpg



Look west at dense vegetation at landward toe. (Spring 2016)

Photo 2 of 2 : SP_2017_NA0002_62_28_20170314_00026.jpg



Look west at dense vegetation at landward toe. (Fall 2016)

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	2.76	Rating **	U	Issue No.		71	
LM End	2.76	Issue Type +	Ma	Location *	LS		
Earthen Levee			GPS La	atitud	le/Longitude		
Category			Start		End		
Item	Vegetation			38.1578	60°	38.157860 °	
пеш		-121.588920 °		-121.588920 °			
DWR ID DWR_NA0002_01_f _ 2016_71							
		Comn	nent Cod	le			
V2 : Remove the wild growth other than native grasses from the levee slopes.							
		Inspecto	or Comm	nent			
Dense wildroses on landward slope.							



Looking west at dense vines at landward toe.

LM Start	2.94	Rating **	С	Issue No.	70				
LM End	2.94	Issue Type +	Ma	Location *	CR				
Category Earthen Levee				GPS Latitude/Longitude					
Category			Start		End				
Item	Animal Co	ontrol		38.157320 °		38.157320 °	0		
item				-121.59199	o°	-121.591990 °	0		
DWR ID DWR_NA0002_01_f _ 2016_70									
	Commant Codo								

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent hole 4" diameter on levee crown roadway.

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	3.00	Rating **	U	Issue No.		55	
LM End	3.00	Issue Type +	Ma	Location *		LS	
Earthen Levee				GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Vegetatio	n		38.1564	93°	38.156493 °	
item			-121.592481 °		-121.592481°		
DWR ID DWR_NA0002_01_s _ 2014_55							
		Comn	nent Cod	le			
V2 : Remo slopes.	ve the wild	d growth other	than na	tive grasse	s fro	m the levee	
		Inspecto	or Comm	nent			
Dense vegetation on landward toe.							

Ma

Issue No.

Location '

Rating **

Issue Type +

LM Start

LM End

3.00

3.00

Photo 1 of 4 : SP_2017_NA0002_62_55_20170314_00041.jpg
and the second s
Land State (Secretary)
A CAMPAGNA A COMPANY

Looking northwest at dense vegetation at landward toe. (Spirng 2016)

55 (cont) LS

Photo 2 of 4: SP_2017_NA0002_62_55_20170314_00042.jpg



Looking southwest at dense vegetation at landward toe. (Spring 2015)

LM Start	3.00	Rating **	U	Issue No.	55 (cont)
LM End	3.00	Issue Type +	Ma	Location *	LS



Looking north at dense vegetation withing fifteen feet of landward toe.

*Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
M: Minimally Acceptable
U: Unacceptable
A: Acceptable
A: Not Inspected/Rated
C: Corrected
A/W: Acceptable but Monitor & Maintain

* Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	3.00	Rating **	U	Issue No.	55 (cont)			
LM End	3.00	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Vegetatio	Vegetation			93°	38.156493 °		
пеш				-121.592481 °		-121.592481 °		
DWR ID DWR_NA0002_01_s _ 2014_55								
		Comn	nent Cod	de				
V2 : Remove the wild growth other than native grasses from the levee slopes.								
Inspector Comment								
Dense vegetation on landward toe.								



Looking north at dense vegetation within fifteen feet of landward toe.

LM Start	3.38	Rating **	U	Issue No.		67		
LM End	3.40	Issue Type +	Ma	Location *		CR		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Slope Sta	bility		38.1514	30°	38.151390°		
Ileiii				-121.5920	85 °	-121.592517°		
DWR ID	DWR_NA0	002_01_s _ 201	7_67					
		Comn	nent Cod	le				
S1 : Repai	r slope ins	tability.				_		
		Inspecto	or Comm	ent				
Appears to	be a slip	from watersid	e to land	side.				
Appears to be a slip from waterside to landside.								
LM Start	3.38	Rating **	U	Issue No.		67 (cont)		

Ма

Location

CR

3.40

LM End

Issue Type +



Looking south at sloughing on landward shoulder.

Photo 2 of 3: SP_2017_NA0002_62_67_20170324_00110.jpg



Looking east at possible sloughing on landward shoulder.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	3.38	Rating **	U	Issue No.		67 (cont)	
LM End	3.40	Issue Type +	Ма	Location *		CR	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.1514	30°	38.151390°	
пеш				-121.5920	85 °	-121.592517 °	
DWR ID DWR_NA0002_01_s _ 2017_67							
		Comn	nent Cod	le			
S1 : Repai	r slope ins	tability.					
		Inspecto	or Comm	nent			
Appears to be a slip from waterside to landside.							



Looking at downstream corner of slough.

LM Start	3.46	Rating **	С	Issue No.		30	
LM End	3.82	Issue Type +	Ma	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetatio	n	38.1515	72 °	38.149813 °		
item				-121.5934	88 °	-121.598913 °	
DWR ID DWR_NA0002_01_s _ 2013_30							
		C		l_			

Comment Code

 $\ensuremath{\mathsf{V2}}$: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Willows on waterside slope.

Ν	0	Ρ	ho	tos

LM Start	3.62	Rating **	A/W	Issue No.		9		
LM End	3.62	Issue Type +	Ма	Location *		LS		
Category Earthen Levee			GPS La	titud	e/Longitude			
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.15174	14°	38.151744 °		
пеш				-121.59642	25 °	-121.596425 °		
DWR ID DWR_NA0002_01_s _ 2012_9								
	Comment Code							

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	3.87	Rating **	U	Issue No.		57	
LM End	3.87	Issue Type +	Ma	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Trim / Thin Trees			38.1492	17°	38.149217 °	
item				38.149217 ° -121.599389 °		-121.599389 °	
DWR ID	DWR_NA0	002_01_f _ 201	5_57				
Comment Code							
T1 : Trim trees to at least five feet above ground level.							

Inspector Comment



Looking west at untrimmed tree on waterward slope.

LM Start	3.99	Rating **	A/W	Issue No.		85	
LM End	3.99	Issue Type +	Ma	Location *		WS	
Category Supplemental				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	P LMA Responsibility			38.147677°	
iteiii				-121.6005	01 °	-121.600501 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:51302 DS_ID:21772 EP_NO: 11248

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments:

FIELD_STRUCT_DESC: 1 of 2: 24-inch steel drainage pipe (26-inch pipe referenced in O&M manual) through levee, 3 feet below the crown. Siphon breaker is located on the waterside (WS) slope. Pump is located on the landside (LS). (Automatic Board Order (ABO) issued as Permit No. 11248, 1975 – Reclamation District No. 407) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, Drawing No. 50-4-2631, page 2631/2, (Station 107476)]

(Station 107+76)]. FS Date: 5/16/2013

Photo 1 of 3: UCIP_SP_2017_51302_22082.jpg



24-inch pipe and siphon breaker visible on WS slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	3.99	Rating **	A/W	Issue No.		85 (cont)		
LM End	3.99	Issue Type +	ssue Type + Ma Location *		Location *			
Category	Supplemental				GPS Latitude/Longitude			
Calegory				Start		End		
Item	DWR UC	IP LMA Respo	onsibility	38.14767	7°	38.147677		
пеш				-121.60050	1°	-121.600501		
DWR ID								

Inspector Comment

Comment Code

FS_ID:51302 DS_ID:21772 EP_NO: 11248

LM End

Repair Type: No Action Needed Crossing Status: Found UCIP Comments:

3.99

FIELD_STRUCT_DESC: 1 of 2: 24-inch steel drainage pipe (26-inch pipe referenced in O&M manual) through levee, 3 feet below the crown. Siphon breaker is located on the waterside (WS) slope. Pump is located on the landside (LS). (Automatic Board Order (ABO) issued as Permit No. 11248, 1975 – Reclamation District No. 407) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, Drawing No. 50-4-2631, page 2631/2, (Station 107+76)].

 LM Start
 3.99
 Rating **
 A/W
 Issue No.
 85 (cont)

Ма

Location *

WS

Issue Type +



Pipe visible on LS slope.

Photo 3 of 3: UCIP_SP_2017_51302_22080.jpg



Pumping plant on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	4.18	Rating **	M	Issue No.		12		
LM End	4.20	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.1450	94°	38.144817°		
item				-121.6015	85 °	-121.601477 °		
DWR ID	DWR ID DWR_NA0002_01_s _ 2012_12							
		Comn	nent Cod	le				
T1 : Trim t	rees to at	least five feet	above g	round level.				
		Inspect	or Comm	nent				

No Photos

LM Start	4.25	Rating **	С	Issue No.		13	
LM End	4.28	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Trim / Thi	n Trees		38.1441	34 °	38.143747°	
пеш				-121.6011	77 °	-121.600924 °	
DWR ID	WR ID DWR_NA0002_01_s _ 2012_13						
Comment Code							

No Photos

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

LM Start	4.36	Rating **	М	Issue No.		21	
LM End	4.36	Issue Type +	Ma	Location *		WS	
Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Trim / Thin Trees			38.142838 °		38.142838 °		
пеш				-121.6001	63 °	-121.600163 °	
DWR ID	DWR_NA0	002_01_s _ 201	2_21				
Comment Code							
T1 : Trim trees to at least five feet above ground level.							

Inspector Comment

No Photos

* Location	** Rating	N - Not Increased/

M : Minimally Acceptable

WS : Water Side

CR : Crown

+ Issue Type C : Corrected

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	4.64	Rating **	С	Issue No.		49			
LM End	4.64	Issue Type +	Ма	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Category		Start		End					
Item	Trim / Thi	n Trees		38.1392	11 °	38.139211 °			
item				-121.5975	82 °	-121.597582 °			
DWR ID	DWR ID DWR_NA0002_01_f _ 2015_49								
		Comn	nent Cod	le					
T4 : Trim t	rees over i	roadway to at	least 12	feet above	grou	und level.			
	Inspector Comment								

No Photos

LM Start	4.98	Rating **	М	Issue No.		14	
LM End	4.98	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Trim / Thin Trees			38.135158 °		38.135158 °		
пеш				-121.5941	98 °	-121.594198°	
DWR ID	DWR_NA0	002_01_s _ 201	2_14				
Comment Code							
T4 : Trim t	rees over	roadway to at	least 12	feet above	aroı	ınd level.	

Inspector Comment

No Photos

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	5.05	Rating **	A/W	Issue No.		63			
LM End	5.05	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Trim / Thin Trees			38.1344	67°	38.134467 °			
item			-121.593428 °		-121.593428°				
DWR ID	DWR_NA0	002_01_s _ 201	7_63			·			
		Comn	nent Cod	le					
T2: Thin t	rees to allo	ow visibility of	the grou	nd and roo	m to	flood fight.			
Inspector Comment									

No Photos

LM Start	5.06	Rating **	U	Issue No.		62	
LM End	5.06	Issue Type +	Ма	Location *		WS	
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Encroach	ments		38.134275°		38.134275 °	
пеш				-121.593213 °		° -121.593213°	
DWR ID DWR_NA0002_01_f _ 2016_62							
Comment Code							

Comment

TR : Tree or limb

Inspector	Comment
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Dead Pine treee on waterward berm.

LM Start	5.06	Rating **	U	Issue No.	62 (cont)
LM End	5.06	Issue Type +	Ma	Location *	WS

Photo 1 of 2: SP_2017_NA0002_62_62_20170314_00049.jpg



Looking upstream at dead pine tree on waterward berm.

Photo 2 of 2 : SP_2017_NA0002_62_62_20170314_00050.jpg



Looking downstream at dead pine tree on waterward berm.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

NA0002

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	5.11	Rating **	С	Issue No.		15		
LM End	5.11	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Trim / Thi		38.1337	59°	38.133759°			
item				-121.5925	98 °	-121.592598 °		
DWR ID	DWR ID DWR_NA0002_01_s _ 2012_15							
		Comn	nent Cod	le				
T4: Trim t	rees over i	roadway to at	least 12	feet above	gro	und level.		
	Inspector Comment							

No Photos

LM Start	5.12	Rating **	М	Issue No.		65	
LM End	5.12	Issue Type + Ma		Location *		LS	
Category	evee	GPS Latitude/Longitude					
Category				Start		End	
Item	Vegetation			38.1336	95 °	38.133695 °	
пеш				-121.5925	16°	-121.592516 °	
DWR ID DWR_NA0002_01_s _ 2016_65							
		_	. ^				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Remove cactus from landward slope.





Looking at cactus on landward slope.

LM Start	5.17	Rating **	М	Issue No.		31	
LM End	5.17	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory						End	
Item	Trim / Thi	n Trees		38.1331	45 °	38.133145°	
пеш			-121.5918	95 °	-121.591895°		
DWR ID	WR ID DWR_NA0002_01_s _ 2013_31						

Comment Code

T4: Trim trees over roadway to at least 12 feet above ground level.

Inspector Comment



Looking southeast at tree over levee crown.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

NA0002

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	5.29	Rating **	С	Issue No.		47		
LM End	5.29	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Encroach		38.1318	02°	38.131802 °			
пеш				-121.5904	65 °	-121.590465 °		
DWR ID	DWR_NA0	002_01_f _ 201	5_47					
		Comn	nent Cod	le				
PR : Pruni	ngs							
Inspector Comment								
Prunings piles on waterward berm should be removed or burned.								

No Photos

LM Start	5.33	Rating **	М	Issue No.		2
LM End	5.33	Issue Type +	Ma	Location *		WS
Category	evee	GPS Latitude/Longitude				
Calegory				Start		End
Item	Trim / Thin Trees				27°	38.131327 °
пеш				-121.5899	80°	-121.589980 °
DWR ID	DWR_NA0002_01_s _ 2012_2					

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment



Looking at untrimmed trees on waterward slope.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	5.42	Rating **	М	Issue No.		54			
LM End	5.42	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS L	atitud	e/Longitude			
Calegory			Start		End				
Item Trim / Thin Trees			38.1303	35°	38.130335°				
			-121.588920 °		-121.588920 °				
DWR ID DWR_NA0002_01_s _ 2014_54									
Comment Code									
T1: Trim t	rees to at	least five feet	above g	round level					
Inspector Comment									



Looking at dense trees at landward toe.

LM Start	5.43	Rating **	U	Issue No.		23	
LM End	5.54	Issue Type +	Ma	Location *	LS		
Category	Earthen L		GPS La	atitud	e/Longitude		
Calegory				Start		End	
Item	Vegetation			38.1302	53°	38.129451 °	
item			-121.5888	22 °	-121.587062 °		
DWR ID DWR_NA0002_01_s _ 2012_23							
Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Control vegetation at landside toe.

LM Start	5.43	Rating **	U	Issue No.	23 (cont)
LM End	5.54	Issue Type +	Ma	Location *	LS

Photo 1 of 6 : SP_2017_NA0002_62_23_20170314_00013.jpg



Looking south at vegetation at landward toe. (Spring 2016)

Photo 2 of 6 : SP_2017_NA0002_62_23_20170314_00014.jpg



Looking west at dense vegetation at landward toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	5.43	Rating **	U	Issue No.		23 (cont)		
LM End	5.54	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetation			38.1302	53°	38.129451 °		
пеш					-121.587062 °			
DWR ID DWR_NA0002_01_s _ 2012_23								
Comment Code								
V2 : Remo	ve the wild	d growth other	than na	tive grasses	s fro	m the levee		
		Inspecto	or Comm	nent				
Control vegetation at landside toe.								

	•	
		(e.)

Photo 3 of 6: SP_2017_NA0002_62_23_20170314_00015.jpg

Looking east at dense vegetation at landward toe.

LM Start 5.43 Rating ** U Issue No. 23 (cont) LM End 5.54 Issue Type + Ma Location * LS

Photo 4 of 6: SP_2017_NA0002_62_23_20170314_00016.jpg



Looking east at dense vegetation on landward toe.

LM Start	5.43	Rating **	U	Issue No.	23 (cont)
LM End	5.54	Issue Type +	Ma	Location *	LS



Looking south at dense berry vines and trees on the landward slope and toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	5.43	Rating **	U	Issue No.	23 (cont)			
LM End	5.54	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
ltem Vegetation			38.1302	53°	38.129451 °			
			-121.588822 °		-121.587062 °			
DWR ID DWR_NA0002_01_s _ 2012_23								
Comment Code								
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee		
		Inspecto	or Comm	nent				
Control vegetation at landside toe.								



Looking south at trees, berry vines, and wild rose on landside toe.

LM Start	5.46	Rating **	М	Issue No.		10	
LM End	5.46	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory		Start		End			
l+om		Crown Surface / Depressions /				38.129935°	
пеш	Rutting			-121.5883	83 °	-121.588383 °	
DWR ID	DWR_NA0	002_01_s _ 201	7_10				
	Comment Code						

C2: Repair depressions or ruts in the crown or slope.

Inspector Comment

Small pot hole on levee crown.

No Photos

LM Start	5.78	Rating **	М	Issue No.		17	
LM End	5.81	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thin Trees			38.12953	7°	38.129599 °	
пеш				-121.58276	0°	-121.582155 °	
DWR ID DWR_NA0002_01_s _ 2012_17							
	Comment Code						

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

Trim trees for visibility.



Looking at dense trees on landward slope and toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/21/2017 03/21/2017	Richard Willoughby

LM Start	5.88	Rating **	С	Issue No.		51		
LM End	5.88	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.1297	22 °	38.129722 °		
пеш				-121.5808	23 °	-121.580823 °		
DWR ID	DWR ID DWR_NA0002_01_f _ 2014_51							
		Comn	nent Cod	le				
T4 : Trim t	rees over	roadway to at	least 12	feet above	grou	und level.		
		Inspecto	or Comm	nent				
Tree shou	Tree should be trimmed back from hanging over levee crown.							

No Photos

* Rating
A: Acceptable
M: Minimally Acceptable
U: Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.		83		
LM End	11.13	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee	GPS La	atitud	e/Longitude			
Category				Start		End		
Item	Vegetatio	n		38.1918	82°	38.112067 °		
пеш	-121.567663 ° -121.69810							
DWR ID DWR_NA0002_02_s _ 2017_83								
		Comn	nent Cod	le				
		grass and wee	ds on th	e levee slop	oes a	and		
easements	S.							
		Inspecto	or Comm	nent				

No Photos

LM Start	0.00	Rating **	М	Issue No.		84	
LIVI Start	0.00	ramig	IVI	13300 140.		04	
LM End	11.13	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calogory				Start		End	
Item	Vegetatio		38.1918	78°	38.112067 °		
item				-121.5676	70°	-121.698100 °	
DWR ID	DWR_NA0	002_02_s _ 201	7_84				
		Comn	nent Cod	de			
	V1 : Control annual grass and weeds on the levee slopes and easements.						
	Inspector Comment						

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

	0.40	Dating **		Issue No.		40			
LM Start	0.49	Rating **	U	issue ivo.		40			
LM End	0.49	Issue Type +	Ma	Location *	n* LS				
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Category				Start		End			
Item	Vegetatio	n		38.1888	71°	38.188871°			
пеш		-121.575775° -121.575775							
DWR ID DWR_NA0002_02_f _ 2013_40									
		Comn	nent Coo	le					
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee			
		Inspecto	or Comm	nent					
Dense Be	rryvines at	landward toe.							
	•								



Looking east at berryvines at landward toe.

LM Start	0.55	Rating **	М	Issue No.		90	
LM End	0.55	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory		Start		End			
Item	Trim / Thi	n Trees	38.1884	84 °	38.188484 °		
iteiii				-121.5769	16°	-121.576916 °	
DWR ID	DWR ID DWR_NA0002_02_f _ 2016_90						
	Commant Codo						

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Start	0.72	Rating **	U	Issue No.		97	
LM End	0.72	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.1871	02°	38.187102 °	
пеш	-121.579463 ° -121.579						
DWR ID DWR_NA0002_02_f _ 2016_97							
		Comn	nent Cod	le			
T1: Trim t	rees to at l	east five feet	above g	round level			
		Inspecto	or Comm	nent			
Untrimmed	Untrimmed fig tree on landward toe.						



Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	0.72	Rating **	U	Issue No.		97 (cont)	
LM End	0.72	Issue Type +	Ma	Location *		LS	
Cotogony	Earthen L	evee		GPS La	atitud	le/Longitude	
Category			Start		End		
Item	Trim / Thin Trees			38.1871	02 °	38.187102°	
item	item				63°	3° -121.579463°	
DWR ID DWR_NA0002_02_f _ 2016_97							
		Comn	nent Cod	le			
T1 : Trim t	rees to at	least five feet	above g	round level.			
		Inchact	or Comm	ont			
		mspecii	JI COIIIII	IEIIL			
Untrimmed fig tree on landward toe.							

Photo 2 of 2 : SP_2017_NA0002_63_97_20170314_00064.jpg	
等	
一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	

Looking east at untrimmed fig tree at landward toe.

LM Start	0.73	Rating **	U	Issue No.		108			
LM End	0.79	Issue Type +	Ma	Location *	WS				
Catagoria Earthen Levee			GPS Latitude/Longitude						
Category				Start		End			
Item	, Vegetation			Vegetation			38.1870	31 °	38.186511 °
пеш				-121.579588 °		-121.580470 °			
DWR ID	DWR_NA0	002_02_f _ 201	6_108						

Comment Code

 $\ensuremath{\mathsf{V2}}$: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense williows on waterward slope.

Photo 1 of 1 : SP_2017_NA0002_63_108_20170314_00075.jpg



Looking southwest at dense willow trees on waterward slope.

LM Start	0.79	Rating **	U	Issue No.	2	
LM End	0.84	Issue Type +	Ma	Location *	WS	
Catagony	Earthen Levee			GPS Latitude/Longitude		
Calegory	Category					End
Item	Trim / Thi	n Trees		38.1865	35 °	38.186103 °
item					95 °	-121.581127°
DWR ID	DWR NA0	002_02_s _ 201	2 2			

Comment Code

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

Untrimmed trees within twenty foot zone on waterward slope.

Photo 1 of 1 : SP_2017_NA0002_63_2_20170314_00002.jpg



Looking southwest at dense willows and trees on waterward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	1.07	Rating **	М	Issue No.		91	
LM End	1.07	Issue Type +	Ма	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroachments			38.1835	86°	38.183586°	
item				-121.584010 °		-121.584010 °	
DWR ID DWR_NA0002_02_f _ 2015_91							
		Comn	nent Cod	de			
TR : Tree	or limb						
Inspector Comment							
Downed tree branches on waterward slope and berm.							

LM Start	1.07	Rating **	М	Issue No.	91 (cont)
LM End	1.07	Issue Type +	Ma	Location *	WS



Looking south west at fallen tree on waterward slope and berm.

Photo 2 of 2: SP_2017_NA0002_63_91_20170314_00055.jpg



Looking west at fallen tree on waterward slope and berm.

LM Start	1.16	Rating **	М	Issue No.		92	
LM End	1.16	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroach		38.1825	27°	38.182527 °		
item				-121.584901 °		-121.584901 °	
DWR ID DWR_NA0002_02_f _ 2015_92							
		Comn	nent Co	de			
TR : Tree or limb							
Inspector Comment							
Downed tree branch on waterward slope and berm.							



Looking west at fallen tree branch on waterward berm. (Spring 2016)

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	1.16	Rating **	М	Issue No.		92 (cont)
LM End	1.16	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory						End
Item	Encroachments			38.182527 °		38.182527 °
item				-121.5849	01 °	-121.584901 °
DWR ID	DWR ID DWR_NA0002_02_f _ 2015_92					
Comment Code						
TR : Tree or limb						

Inspector Comment

Downed tree branch on waterward slope and berm.



Looking at fallen tree on waterward slope and berm. (Spring 2015)

	4.40	Poting **	N/I	Issue No.		00
LM Start	1.40	Rating **	М	issue ivo.		96
LM End	1.40	Issue Type +	Ma	Location *		LS
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory				Start		End
Item	Encroach	ments		38.1795	43°	38.179543 °
item				-121.5872	26°	-121.587226 °
DWR ID	DWR ID DWR_NA0002_02_s _ 2015_96					
Comment Code						

TR: Tree or limb

Inspector Comment

Broken tree branch on landward toe.



Looking east at broken tree limb at landward toe.

Photo 1 of 4: SP_2017_NA0002_63_27_20170314_00029.jpg

LM Start	1.45	Rating **	U	Issue No.		27	
LM End	1.47	Issue Type +	Ма	Location *		LS	
Category	Earthen Levee				GPS Latitude/Longitude		
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.1789	50°	38.178950 °	
пеш				-121.5877	17°	-121.587717 °	
DWR ID	D DWR_NA0002_02_s _ 2012_27						

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

Dense vegetation should be trimmed back fifteen feet from landward toe.





Looking east at dense vegetation at landward toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

1110	4.45	Rating **	U	Issue No.		27 (22 24)
LM Start	1.45	Rating	U	issue ivo.		27 (cont)
LM End	1.47	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Category				Start		End
Item	Trim / Thi	n Trees		38.178950°		38.178950 °
пеш				-121.587717 °		-121.587717 °
DWR ID	DWR_NA0	002_02_s _ 201	2_27			
		Comn	nent Coo	le		
T1: Trim t	T1 : Trim trees to at least five feet above ground level.					
Inspector Comment						
•						

LM Start	1.45	Rating **	U	Issue No.	27 (cont)
	4 47	Janua Typa I	110	Location *	1.0

Dense vegetation should be trimmed back fifteen feet from landward

toe.



Looking east at dense vegetation at landward toe.

Photo 3 of 4: SP_2017_NA0002_63_27_20170314_00031.jpg



Looking east at dense vegetation on landward toe.

LM Start	1.45	Rating **	U	Issue No.	27 (cont)
LM End	1.47	Issue Type +	Ma	Location *	LS



Looking southeast at dense trees on landside toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	1.46	Rating **	U	Issue No.		109	
LM End	1.46	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.1788	05°	38.178805 °	
пеш				-121.587850 °		-121.587850 °	
DWR ID DWR_NA0002_02_s _ 2016_109							
Comment Code							
TR : Tree	or limb						
		Inspecto	or Comm	nent			
Downed tree branches and limbs on landward slope.							

Ма

Issue No.

Location *

1.46

1.46

LM Start

LM End

Rating **

Issue Type +

交下 400	
与北至亚	

Photo 1 of 2: SP_2017_NA0002_63_109_20170324_00183.jpg

Looking southwest at fallen tree on waterward slope.

109 (cont)

WS

Photo 2 of 2: SP_2017_NA0002_63_109_20170324_00184.jpg



Looking west at fallen tree on waterward slope.

LM Start	1.60	Rating **	М	Issue No.		35			
LM End	1.62	Issue Type +	Ма	Location *	LS				
Catagony	Earthen L	evee		GPS La	atitud	e/Longitude			
Category			Start		End				
Item	Trim / Thi	n Trees		38.1771	05 °	38.176837°			
Item				-121.5890	58°	-121.589225 °			
DWR ID	DWR_NA0	002_02_s _ 201	2_35						
		Comn	nent Cod	le					
T1 : Trim t	rees to at	east five feet	above g	round level					
	Inspector Comment								

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	1.69	Rating **	С	Issue No.		119		
LM End	1.69	Issue Type +	Ма	Location *	WS			
Category	Earthen L	evee	GPS La	atitud	e/Longitude			
Calegory				Start		End		
Item	Encroach	ments		38.1758	60°	38.175860 °		
пеш				-121.5899	01 °	-121.589901 °		
DWR ID	DWR ID DWR_NA0002_02_f _ 2016_119							
		Comn	nent Cod	le				
TR : Tree	or limb							
Inspector Comment								
Broken tree branch on waterward slope.								

No Photos

LM Start	1.80	Rating **	U	Issue No.		45	
LM End	1.82	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetatio	n		38.1744	37°	38.174153 °	
пеш				-121.5907	86°	-121.590980 °	
DWR ID DWR_NA0002_02_f _ 2013_45							
Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense vegetation on landward slope and toe

LM Start	1.80	Rating **	U	Issue No.	45 (cont)
LM End	1.82	Issue Type +	Ma	Location *	LS

Photo 1 of 2: SP_2017_NA0002_63_45_20170314_00045.jpg



Looking southwest at dense vegetation on landward slope.

Photo 2 of 2 : SP_2017_NA0002_63_45_20170314_00046.jpg



Looking northeast at dense vegetation on landward slope and toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	1.84	Rating **	A/W	Issue No.		4			
LM End	1.84	Issue Type +	Ma	Location *		LS			
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude			
Category						End			
Item	Trim / Thi	n Trees	38.1739	05 °	38.173905 °				
пеш	item			-121.5910	82 °	-121.591082°			
DWR ID	DWR ID DWR_NA0002_02_s _ 2012_4								
		Comn	nent Cod	le					
T1 : Trim t	rees to at l	east five feet	above g	round level.					
	Inspector Comment								

No Photos

LM Start	1.87	Rating **	М	Issue No.		93			
LM End	1.89	Issue Type +	Ma	Location *	LS				
Category Earthen Levee				GPS Latitude/Longitude					
Calegory			Start		End				
Item	Encroachments			38.1735	71 °	38.173288 °			
item			-121.5913	43 °	-121.591531 °				
DWR ID DWR_NA0002_02_f _ 2015_93									
		Comn	ant Car	lo.					

Comment Code

TR : Tree or limb

Inspector Comment

Broken tree limbs on landward slope and toe.

LM Start	1.87	Rating **	М	Issue No.	93 (cont)
LM End	1.89	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP_2017_NA0002_63_93_20170314_00058.jpg



Looking southeast at broken tree limb on landward slope.

Photo 2 of 2 : SP_2017_NA0002_63_93_20170314_00059.jpg



Looking east at broken tree limb at landward toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	2.16	Rating **	М	Issue No.		Issue No.		Issue No.		120
LM End	2.16	Issue Type +	Ма	Location *	LS					
Category Earthen Levee				GPS Latitude/Longitude						
Calegory				Start		End				
Itom	Vegetation Vegetation			38.1698	14°	38.169814°				
пеш				-121.593951 °		-121.593951 °				
DWR ID DWR_NA0002_02_f _ 2016_120										

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Fig tree saplings on landward slope.



Looking northeast at fig tree saplings at landward toe.

LM Start	2.34	Rating **	U	Issue No.		25		
LM End	2.38	Issue Type +	Ma	Location *		LS		
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Trim / Thin Trees			38.1676	27°	38.167152°		
пеш				-121.595538 °		-121.595997°		
DWR ID	DWR NA0	002 02 s 201	2 25					

Comment Code

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment



Looking southeast at trees at landward shoulder. (Spring 2015)

LM Start	2.42	Rating **	U	Issue No.		99			
LM End	2.42	Issue Type +	Ма	Location *		LS			
Catagory	Category Earthen Levee				GPS Latitude/Longitude				
Calegory						End			
Item	Vegetatio	/egetation			72 °	38.166772 °			
пеш				-121.596667 °		-121.596667 °			
DWR ID	DWR_NA0002_02_s _ 2014_99								

Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense willows on landward slope.



Looking southwest at vegetation (willows) on landward slope and toe.

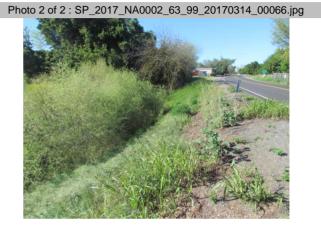
* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

•							
LM Start	2.42	Rating **	U	Issue No.		99 (cont)	
LM End	2.42	Issue Type +	Ma	Location *		LS	
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Vegetation			38.166772°		38.166772 °	
item			-121.596667 °		-121.596667 °		
DWR ID DWR_NA0002_02_s _ 2014_99							
Comment Code							
V2 : Remove the wild growth other than native grasses from the levee slopes.							
Inspector Comment							
Dense willows on landward slope.							



LM Start	2.48	Rating **	U	Issue No.		29		
LM End	2.48	Issue Type +	Ма	Location *		LS		
Category	evee	GPS Latitude/Longitude						
Calegory	legory			Start		End		
Trim / Thin Trees			38.166378 °		38.166378 °			
пеш				-121.597570 °		-121.597570 °		
DWR ID DWR_NA0002_02_s _ 2012_29								
Comment Code								
T1 : Trim trees to at least five feet above ground level.								

mapecior Comment	Inspecto	r Comment
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LM Start	2.48	Rating **	U	Issue No.	29 (cont)
LM End	2.48	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP_2017_NA0002_63_29_20170314_00034.jpg



Looking northeast at dense vegetation on landward slope.

Photo 2 of 2: SP_2017_NA0002_63_29_20170314_00035.jpg



Looking southwest at dense vegetation on landward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	2.54	Rating **	Issue No.		129			
LM End	2.54	Issue Type +	Issue Type + Ma			LS		
Category	Supplemental				GPS Latitude/Longitude			
Calegory				Start		End		
Item	DWR UCI	P LMA Respo	onsibility	38.16598	30°	38.165980°		
пеш				-121.59852	° 02	-121.598520 °		
DWR ID								

Comment Code

Inspector Comment

FS_ID:51314 DS_ID:21879 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 10/24/2016 same as previous inspection culvert is open on both ends. WS blocked by blankets -- WS structure is being used as a shelter. (O. Magana - DWR UCIP)04/18/2013 Culvert open on both ends. Needs to be abandoned properly. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 3.5-foot by 3.5-foot open concrete culvert through levee, 6 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, (RM 18.16), Drawing No. 6-13-1100]. FS Date: 10/24/2016

LM Start	2.54	Rating **	U	Issue No.	129 (cont)
LM End	2.54	Issue Type +	Ma	Location *	LS

Photo 1 of 3: UCIP_SP_2017_51314_19773.jpg



Concrete tunnel open on both ends.

Photo 2 of 3: UCIP_SP_2017_51314_19772.jpg



Top of concrete tunnel on LS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	2.54	Rating **	Issue No.		129 (cont)			
LM End	2.54	Issue Type +	Location *		LS			
Category	Supplemental				GPS Latitude/Longitude			
Calegory						End		
Item	DWR UCI	P LMA Respo	onsibility	38.16598	30°	38.165980 °		
пеш				-121.59852	20°	-121.598520 °		
DWR ID								

Comment Code

Inspector Comment

FS_ID:51314 DS_ID:21879 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 10/24/2016 same as previous inspection culvert is open on both ends. WS blocked by blankets -- WS structure is being used as a shelter. (O. Magana - DWR UCIP)04/18/2013 Culvert open on both ends. Needs to be abandoned properly. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 3.5-foot by 3.5-foot open concrete culvert through levee, 6 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, (RM 18.16), Drawing No. 6-13-1100]. FS Date: 10/24/2016



Concrete tunnel on LS shoulder.

LM Start	2.57	Rating **	U	Issue No.		130
LM End	2.57	Issue Type + Ma L		Location *		LS
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	38.1657	75°	38.165775 °
item					48 °	-121.599048 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:51315 DS_ID:21880 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 10/24/2016 same as previous inspection concrete box culvert will need to be abandoned properly. (O. Magana - DWR UCIP)04/18/2013 tunnel should be abandoned properly. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 4-feet by 4-feet drainage concrete culvert through levee, 6.5-inches below the crown. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, (RM 18.16), Drawing No. 6-13-1100].

FS Date: 10/24/2016



Tunnel open on LS shoulder.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	2.57	Rating **	U	Issue No.	130 (cont)		
LM End	2.57	Issue Type +	Ма	Location *	LS		
Category	GPS Latitude/Longitude						
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	onsibility	38.1657	75 °	38.165775	
item				-121.5990	48 °	-121.599048	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:51315 DS_ID:21880 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 10/24/2016 same as previous inspection concrete box culvert will need to be abandoned properly. (O. Magana - DWR UCIP)04/18/2013 tunnel should be abandoned properly. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 4-feet by 4-feet drainage concrete culvert through levee, 6.5-inches below the crown. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, (RM 18.16), Drawing No. 6-13-1100]. FS Date: 10/24/2016

LM Start	2.57	Rating **	U	Issue No.	130 (cont)
LM End	2.57	Issue Type +	Ma	Location *	LS



Concrete tunnel on LS shoulder.

Photo 3 of 3: UCIP SP 2017 51315 19774.jpg



10'X5' concrete box on WS slope, filled with soil.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	2.58	Rating **	М	Issue No.		18	
LM End	2.63	Issue Type +	Ma	Location *	WS		
Category	Supplemental				atitud	e/Longitude	
Calegory		Start		End			
Item		ACE Erosion S	Survey,	38.1659	45 °	38.165498	0
пеш	DRAFT			-121.5993	45 °	-121.600080	0
DWR ID	DWR_NA0	002_02_s _ 201	6_18				
Comment Code							

Inspector Comment

2009 - Short reach of vertical bank at the toe. 2010 - Large tree is getting ready to fall in. 2015: Freshly exposed tree roots. [2015 Site ID: SAC_18-1_L]

LM Start	2.66	Rating **	М	Issue No.	37		
LM End	2.74	Issue Type +	Ma	Location *		WS	
Category Supplemental				GPS Latitude/Longitude			
Calegory	egory					End	
Item		CE Erosion S	Survey,	38.1653	03°	38.164682°	
item	DRAFT			-121.6004	77 °	-121.601804°	
DWR ID	DWR ID DWR_NA0002_02_s _ 2016_37						
Comment Code							

Inspector Comment

2009 - Large scallop from rotational failure. One fallen tree and one large tree with half of its root structure exposed. 2015: Large tree expected to pop out within next couple of years, will take very large chunk of levee out. [2015 Site ID: SAC_18-0_L]

LM Start	2.66	Rating **	М	Issue No.	37 (cont)
LM End	2.74	Issue Type +	Ма	Location *	WS

Photo 1 of 2: SP_2017_NA0002_63_37_20170314_00040.jpg

No Photos



USACE 2013 Photo #1

Photo 2 of 2 : SP_2017_NA0002_63_37_20170314_00041.jpg



USACE 2013 Photo #2

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

NA0002

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	2.84	Rating **	U	Issue No.		132	
LM End	2.84	Issue Type +	Ма	Location *		WS	
Category	Supplemental				GPS Latitude/Longitude		
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.1638	50°	38.163850 °	
пеш					17°	-121.603317 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:51316 DS_ID:21882 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 10/24/2016 same as previous inspection tunnel is opened on both ends. (O. Magana - DWR UCIP)04/18/2013 Tunnel open on both ends and should be abandoned properly. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 4-foot by 6-foot drainage concrete culvert through levee 1 foot below the crown. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, (RM 17.89), Drawing No. 6-13-1100]. FS Date: 10/24/2016

 LM Start
 2.84
 Rating **
 U
 Issue No.
 132 (cont)

 LM End
 2.84
 Issue Type +
 Ma
 Location *
 WS



Entrance to tunnel on LS slope.

Photo 2 of 3: UCIP_SP_2017_51316_19781.jpg



Tunnel opening on WS slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	2.84	Rating **	U	Issue No.		132 (cont)
LM End	2.84	Issue Type +	Ма	Location *		WS
Category	Supplemental					le/Longitude
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	38.1638	50°	38.163850°
item				-121.6033	17°	-121.603317°
DWR ID	D					
	Comment Code					

Inspector Comment

FS_ID:51316 DS_ID:21882 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 10/24/2016 same as previous inspection tunnel is opened on both ends. (O. Magana - DWR UCIP)04/18/2013 Tunnel open on both ends and should be abandoned properly. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 4-foot by 6-foot drainage concrete culvert through levee 1 foot below the crown. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, (RM 17.89), Drawing No. 6-13-1100].

FS Date: 10/24/2016



Tunnel opening on WS slope.

LM Start	3.13	Rating **	С	Issue No.		104
LM End	3.13	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	Vegetation				38.162718 °
пеш				-121.6084	52°	-121.608452 °
DWR ID	DWR_NA0	002_02_f _ 201	4_104			
		Comn	nent Cod	le		
V7 : Trees	/ Woody \	/egetation				
		Inspecto	or Comm	nent		

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

		D (' **		1 N		
LM Start	3.17	Rating **	М	Issue No.		5
LM End	3.17	Issue Type +	Ma	Location * WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.1626	38°	38.162638 °
пеш				-121.609068 °		-121.609068 °
DWR ID DWR_NA0002_02_s _ 2012_5						
		Comn	nent Cod	le		
T4 : Trim t	rees over	roadway to at	least 12	feet above	grou	und level.
		Inspecto	or Comm	nent		

LM Start	3.17	Rating **	M	Issue No.	5 (cont)
LM End	3.17	Issue Type +	Ma	Location *	WS



Looking west at overhanging tree on waterward shoulder. (Fall 2014)



Looking west at overhanging tree on waterside shoulder.

LM Start	3.20	Rating **	С	Issue No.		6	_
LM End	3.20	Issue Type +	Ма	Location *		WS	
Earthen Levee				GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		38.1626	43°	38.162643	0
пеш)TTI				-121.609616 °		0
DWR ID	DWR_NA0	002_02_s _ 201	2_6				
		Comn	nent Cod	le			
T4 : Trim t	rees over i	roadway to at	least 12	feet above	gro	und level.	
		Inspecto	or Comm	nent			

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	3.37	Rating **	U	Issue No.		34	
LM End	3.56	Issue Type +	Ma	Location *		WS	
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item		ACE Erosion S	Survey,	38.1626	41 °	38.162828 °	
пеш	DRAFT			-121.61280	00°	-121.616263 °	
DWR ID	DWR_NA0002_02_s _ 2016_34						
	Comment Code						

Inspector Comment

2009 - Fluvial erosion, into the levee slope, close to vertical bank with roadway on top. Pilings that were once at the bankline are now 30 ft out. 2010 - Very steep slope with slumps and overturned trees. 2011 - Upgraded to CRITICAL. Sections of vertical slope with highway on top. Heavy vegetation in front of most of the erosion pockets. Structures built into the levee on the upstream end. 2012 - Site continues to worsen. 2013 - Some rock added on the upstream end, but site remains critical. 2015: More rock has been placed in spots along the toe, but it is still insufficient. [2015 Site ID: SAC_17-2_L]

LM	Start	3.37	Rating **	U	Issue No.	34 (cont)
LM	End	3.56	Issue Type +	Ma	Location *	WS



USACE 2013 Photo #1

Photo 2 of 2: SP_2017_NA0002_63_34_20170314_00039.jpg



USACE 2013 Photo #2

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	3.39	Rating **	М	Issue No.		100		
LM End	3.42	Issue Type +	Ma	Location *	WS			
Earthen Levee			GPS La	atitud	e/Longitude			
Category				Start		End		
Vegetation				38.1623	94°	38.162432 °		
пеш				-121.613146°		-121.613637°		
DWR ID DWR_NA0002_02_s _ 2014_100								
		Comn	nent Cod	le				
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee		
		Inspecto	or Comm	nent				
Bamboo on waterward slope.								



Looking southwest at vegetation (bamboo) on waterward slope.

LM Start	3.51	Rating **	U	Issue No.		22		
LM End	3.58	Issue Type +	Ma	Location *		LS		
Earthen Levee			GPS L	atitud	le/Longitude			
Category				Start		End		
Item	Trim / Thi		38.1625	90°	38.162728°			
пеш				-121.6153	845°	-121.616622 °		
DWR ID	DWR ID DWR_NA0002_02_s _ 2012_22							
		Comn	nent Cod	le				
T1: Trim t	rees to at l	east five feet	above g	round level				
		Inspecto	or Comm	nent				
Untrimmed trees on landward slope and toe.								



Looking south at dense vegetation (trees) on landward slope and toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	3.62	Rating **	U	Issue No.	20			
LM End	3.73	Issue Type +	Ma	Location *	WS			
Supplemental				GPS Latitude/Longitude				
Calegory				Start		End		
Item		ACE Erosion S	Survey,	38.1629	59°	38.163334°		
пеш	DRAFT		-121.6173	23 °	-121.619312°			
DWR ID DWR_NA0002_02_s _ 2016_20								
	Comment Code							

Inspector Comment

2008 - Overstepped levee section with pocket erosion. Plans for repair currently in the design phase. 2010 - Very steep slope with slumps, longitudinal cracking, and overturned trees. 2011 - Upgraded to CRITICAL. Sections of vertical slope with highway on top. Heavy vegetation in front of most of the erosion pockets. 2015: New rock placed on the levee slope for most of the downstream end, but bad spots still remain. [2015 Site ID: SAC_16-8_L]



USACE 2013 Photo #1

LM Start	3.73	Rating **	М	Issue No.		114		
LM End	3.73	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Trim / Thi	n Trees		38.1631	63°	38.163163°		
пеш				-121.6193	70°	-121.619370 °		
DWR ID	002_02_s _ 201	6_114						
Comment Code								

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	3.96	Rating **	U	Issue No.		102	
LM End	3.96	Issue Type +	Ma	Location *		LS	
Earthen Levee			GPS La	atitud	le/Longitude		
Category				Start		End	
Item	Trim / Thi		38.1642	46°	38.164246 °		
пеш				-121.6232	72 °	-121.623272 °	
DWR ID DWR_NA0002_02_s _ 2014_102							
		Comn	nent Cod	le			
T1 : Trim t	rees to at l	least five feet	above g	round level.			
		Inspecto	or Comm	nent			
Untrimmed	d tree block	king landward	slope ar	nd toe.			



Looking west at dense trees on landward slope and toe.

LM Start	4.13	Rating **	М	Issue No.		85		
LM End	4.13	Issue Type +	Ма	Location *		WS		
Catagonia Earthen Levee				GPS La	atitud	le/Longitude		
Category	Category					End		
Item	Encroachments				98°	38.165098°		
item			-121.6261	33 °	-121.626133 °			
DWR ID	DWR_NA0	002_02_s _ 201	7_85					
		Comn	nent Cod	le				
PR : Prunii	ngs							
Inspector Comment								

No Photos

LM Start	4.26	Rating **	М	Issue No.		86				
LM End	4.26	Issue Type +	Ма	Location *		LS				
Category	Cotagon/ Earthen Levee			GPS La	atitud	e/Longitude				
Calegory				Start		End				
Item	Encroach	ments		38.1659	72°	38.165972 °				
item				-121.6282	20°	-121.628220 °				
DWR ID	DWR ID DWR_NA0002_02_s _ 2017_86									
		Comn	nent Cod	le						
PR : Pruni	ngs									
		Inspecto	or Comm	nent						
Pruning pil	e should b	e discarded.								

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	4.70	Rating **	М	Issue No.		87
LM End	4.70	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Category				Start		End
Item	Trim / Thin Trees			38.1683	842°	38.168342 °
пеш				-121.635645 °		-121.635645 °
DWR ID	DWR_NA0	002_02_s _ 201	7_87			
		Comn	nent Cod	de		
T2: Thin t	rees to allo	w visibility of	the grou	nd and roo	m to	flood fight.
	Inspector Comment					

No Photos

LM Start	4.70	Rating **	U	Issue No.		123		
LM End	4.72	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Vegetatio	n		38.16834	8°	38.168456 °		
item				-121.635726 °		-121.636125 °		
DWR ID	DWR_NA0	\0002_02_f _ 2016_123						
Comment Code								

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense grapevines on waterward slope.

Photo 1 of 1: SP_2017_NA0002_63_123_20170314_00092.jpg



Looking west at dense vines on waterward slope and toe.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

		II.				
LM Start	4.92	Rating **	М	Issue No.		88
LM End	4.92	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS L	atitud	e/Longitude
Calegory				Start		End
Item	Encroach	ments		38.1692	262°	38.169262 °
пеш				-121.6394	197°	-121.639497 °
DWR ID DWR_NA0002_02_s _ 2017_88						
		Comn	nent Cod	de		
TR : Tree	or limb					
		Inspecto	or Comm	nent		
Remove dead tree on landward slope.						

Photo 1 of 1 : SP_2017_NA0002_63_88_20170324_00187.jpg

Looking east at dead tree on landward slope and toe.

LM Start	5.16	Rating **	U	Issue No.		95	
LM End	5.16	Issue Type +	Ма	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
			Start		End		
Item	Trim / Thi	n Trees		38.171318°		38.171318 °	
item				-121.643001 °		-121.643001 °	
DWR ID DWR_NA0002_02_f _ 2015_95							
	Comment Code						
T1: Trim t	rees to at I	east five feet	above gi	round level.			

Inspector Comment

Photo 1 of 1: SP_2017_NA0002_63_95_20170314_00061.jpg



Looking west at untrimmed trees on landward slope.

LM Start	5.23	Rating **	U	Issue No.		9	
LM End	5.42	Issue Type +	Ма	Location *		WS	
Earthen Levee				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Trim / Thin Trees			38.17194	42 °	38.171800 °	
пеш			-121.64397	75 °	-121.647447 °		
DWR ID	DWR_NA0	002_02_s _ 201	2_9				

Comment Code

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment



Looking northeast at dense trees on waterside slope and toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

NA0002

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	5.23	Rating **	U	Issue No.		9 (cont)	
LM End	5.42	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.1719	42°	38.171800°	
item				-121.6439	-121.647447 °		
DWR ID DWR_NA0002_02_s _ 2012_9							
		Comn	nent Cod	le			
T2 : Thin to	rees to allo	w visibility of	the grou	nd and roo	m to	flood fight.	
		Inspecto	or Comm	ent			



Looking east at dense trees on waterward shoulder and slope.

LM Start 5.23 Rating ** U Issue No. 9 (cont) LM End 5.42 Issue Type + Ma Location * WS



Looking north at dense trees on waterward should and slope.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	5.41	Rating **	М	Issue No.		148	
LM End	5.41	Issue Type +	Ма	Location *		WS	
Category			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	DWR UC	IP LMA Respo	nsibility	38.17182	24 °	38.171824°	
пеш				-121.64726	65 °	-121.647265 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:12776 DS_ID:21910 EP_NO: 7089A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Hole at LS toe over pipe possible sign of leakage. FIELD_STRUCT_DESC: 7-inch pipe through levee 13.0 feet below crown. Pump in pump house on the landward side. 1.5-inch galvanized steel electrical conduit at same location. 4'X6' concrete distribution box off LS toe next to pumphouse. Originally included in the 1959 O&M

manual. FS Date: 5/2/2013

LM Start	5.41	Rating **	М	Issue No.	148 (cont)
LM End	5.41	Issue Type +	Ma	Location *	WS



Pipe and electrical conduit on WS slope.

Photo 2 of 3: UCIP SP 2017 12776 20753.jpg



Pump on pier at WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	5.41	Rating **	М	Issue No.		148 (cont)	
LM End	5.41	Issue Type +	Ma	Location *	WS		
Category				GPS Latitude/Longitude			
Calegory				Start		End	
ltom	DWR UC	IP LMA Respo	onsibility	38.171824°		38.171824°	
ltem				-121.6472	65 °	-121.647265 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:12776 DS ID:21910 EP_NO: 7089A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Hole at LS toe over pipe possible sign of leakage. FIELD_STRUCT_DESC: 7-inch pipe through levee 13.0 feet below crown. Pump in pump house on the landward side. 1.5-inch galvanized steel electrical conduit at same location. 4'X6' concrete distribution box off LS toe next to pumphouse. Originally included in the 1959 O&M

manual.

FS Date: 5/2/2013



Pipe under pier.

LM Start	5.58	Rating **	М	Issue No.		10	
LM End	5.62	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.17201	9°	38.172238 °	
пеш				-121.65032	27°	-121.651163 °	
DWR ID	DWR ID DWR_NA0002_02_s _ 2012_10						
Comment Code							

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

Location	
LS: Land Side	N/A: Not Applicable
LS : Land Side WS : Water Side	
CD . Crause	

* Locati

Rating A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	5.65	Rating **	U	Issue No.		11		
LM End	5.69	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Vegetatio	n		38.1723	° 80	38.172497 °		
пеш						-121.652243 °		
DWR ID DWR_NA0002_02_s _ 2012_11								
	Comment Code							
V2 : Remo	ve the wild	d growth other	than na	tive grasse	s fro	m the levee		
		Inspecto	or Comm	nent				
Bamboo o	n waterwa	rd slope.						

LM Start	5.65	Rating **	U	Issue No.	11 (cont)
LM End	5.69	Issue Type +	Ма	Location *	WS



Looking northwest at bambaoo on waterward slope. (Fall 2016)

Photo 2 of 2: SP_2017_NA0002_63_11_20170314_00014.jpg



Looking west at bamboo on waterward slope. (Spring 2016)

LM Start	5.66	Rating **	М	Issue No.		36	_	
LM End	5.69	Issue Type +	Ма	Location *		LS		
Catagony	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Trim / Thi	n Trees		38.1723	88°	38.172512	0	
пеш	-121.651892 °				92°	-121.652322	0	
DWR ID	DWR ID DWR_NA0002_02_s _ 2012_36							
		Comn	nent Cod	le				
T1: Trim t	rees to at	east five feet	above g	round level				
		Inspecto	or Comm	nent				

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	5.77	Rating **	М	Issue No.		149	
LM End	5.77	Issue Type +	Ма	Location *	LS		
Supplemental				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	onsibility	38.172940°		38.172940 °	
пеш				-121.6537	00°	-121.653700 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:12778 DS_ID:21912 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe abandoned. Erosion on WS slope at location

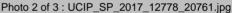
where pipe should be.

FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through levee 13.0 feet below crown. Pump and gate valve in pumphouse at landside toe. 1.5-inch electrical conduit along pipe at same location. 42-inch concrete stand pipe at LS toe. Concrete standpipe at landside toe. FS Date: 5/2/2013

LM Start	5.77	Rating **	М	Issue No.	149 (cont)
LM End	5.77	Issue Type +	Ma	Location *	LS



Concuit at WS toe.





Erosion along pipe alignment at WS slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	5.77	Rating **	М	Issue No.	149 (cont)		
LM End	5.77	Issue Type +	Ма	Location *	LS		
Category	Supplemental			GPS Latitude/Longitude			
Category			Start		End		
ltom	DWR UC	DWR UCIP LMA Responsibility			40°	38.172940 °	
пеш	Item			-121.6537	00°	-121.653700 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:12778 DS_ID:21912 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe abandoned. Erosion on WS slope at location

where pipe should be.

FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through levee 13.0 feet below crown. Pump and gate valve in pumphouse at landside toe. 1.5-inch electrical conduit along pipe at same location. 42-inch concrete stand pipe at LS toe. Concrete standpipe at landside toe. FS Date: 5/2/2013



Concrete standpipe and pump on LS toe.

LM Start	6.12	Rating **	М	Issue No.	103	
LM End	6.12	Issue Type +	Ma	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End	
ltom	Vegetation			38.1746	70°	38.174670°
Item			-121.65959	92 °	-121.659592°	
DWR ID DWR_NA0002_02_f _ 2015_103						
Comment Code						

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	6.23	Rating **	U	Issue No.	110	
LM End	6.23	Issue Type +	Ma	Location *		LS
Category Earthen Levee				GPS La	atitud	e/Longitude
				Start		End
Item	Trim / Thin Trees			38.174182°		38.174182 °
item				-121.661633 °		-121.661633 °
DWR ID DWR_NA0002_02_s _ 2015_110						
		Comn	nent Cod	de		
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						
Broken tree limbs on landward slope.						



Looking northeast at fallen tree on landward slope and toe.

LM Start	6.36	Rating **	U	Issue No.	14		
LM End	6.36	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Item	Trim / Thin Trees			38.173406°		38.173406 °	
item				-121.663815 °		-121.663815 °	
DWR ID	DWR_NA0	002_02_s _ 201	2_14				
Comment Code							
T1 : Trim trees to at least five feet above ground level.							
Inspector Comment							

Ма

Issue No.

Location *

14 (cont)

LS

Rating **

Issue Type +

LM Start

LM End

6.36

6.36

Photo 2 of 2 : SP_2017_NA0002_63_14_20170314_00018.jpg



Looking east at untrimmed tree on landward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	6.98	Rating **	М	Issue No.		23	
LM End	7.04	Issue Type +	Ma	Location *		WS	
Category				GPS Latitude/Longitude			
Calegory			Start		End		
Item	2015 USA	Survey,	38.16658	33 °	38.165794°		
пеш	DRAFT					-121.671014°	
DWR ID	DWR_NA0002_02_s _ 2016_23						
Comment Code							

Inspector Comment

2011 - Large section of bank slumped off. 2015: No observed changes. [2015 Site ID: SAC_13-6_L]



USACE 2013 Photo #1

LM Start	7.13	Rating **	U	Issue No.		112	
LM End	7.13	Issue Type +	Ma	Location *		LS	
Category	evee	GPS La	atitud	le/Longitude			
Calegory			Start		End		
Item	Trim / Thi	n Trees		38.1644	65 °	38.164465 °	
пеш				-121.6712	92 °	-121.671292 °	
DWR ID DWR_NA0002_02_f _ 2015_112							
Comment Code							

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment



Looking south at untrimmed trees on landward slope.

LM Start	7.71	Rating **	М	Issue No.		105
LM End	7.71	Issue Type +	Ма	Location *		WS
Category	Earthen L	GPS Latitude/Longitude				
Calegory	Category					End
Item	Encroach	Encroachments			41 °	38.157841 °
пеш				-121.6775	10°	-121.677510°
DWR ID	DWR_NA0002_02_f _ 2014_105					

Comment Code

TR : Tree or limb

Inspector Comment

Tree limbs on waterward shoulder.



Looking southwest at tree limbs on waterward shoulder.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	8.20	Rating **	U	Issue No.		17
LM End	8.42	Issue Type +	Ma	Location *		WS
Category	ental	GPS Latitude/Longitude				
Calegory			Start		End	
Item		2015 USACE Erosion Survey,			67 °	38.148711 °
пеш	DRAFT			-121.6822	01 °	-121.682790 °
DWR ID	WR ID DWR_NA0002_02_s _ 2016_17					
DWR ID DWR_NA0002_02_s _ 2016_17						

Comment Code

Inspector Comment

2010 - Small inlet area behind a man-built spit. Bank is slumping and could possibly be fixed with maintenance. 2011 - Site continues to worsen. 2015: Upgraded to Critical [2015 Site ID: SAC_12-1_L]



USACE 2013 Photo #1

LM Start	8.31	Rating **	U	Issue No.		106	
LM End	8.31	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Encroach	ments		38.150208° 38.		38.150208 °	
item			-121.6821	30°	-121.682130 °		
DWR ID DWR_NA0002_02_s _ 2017_106							
Comment Code							

TR: Tree or limb

Inspector Comment

Several fallen trees and prunings on landward slope. Tree left hole on landward slope.

Photo 1 of 4 : SP_2017_NA0002_63_106_20170324_00192.jpg



Looking southeast at fallen tree prunings on landward shoulder and slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	8.31	Rating **	U	Issue No.		106 (cont)		
LM End	8.31	Issue Type +	Ма	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Encroach		38.1502	08°	38.150208°			
item				-121.682130 °		-121.682130 °		
DWR ID	DWR ID DWR_NA0002_02_s _ 2017_106							
		Comn	nent Cod	le				
TR : Tree or limb								
Inspector Comment								
Several fallen trees and prunings on landward slope. Tree left hole on landward slope.								

LM Start	8.31	Rating **	U	Issue No.	106 (cont)
LM End	8.31	Issue Type +	Ma	Location *	LS



Looking north at hole on left by fallen tree on landward shoulder and slope.

Photo 3 of 4: SP_2017_NA0002_63_106_20170324_00194.jpg



Looking north at fallen tree prunings on landward slope.

LM Start	8.31	Rating **	U	Issue No.	106 (cont)
LM End	8.31	Issue Type +	Ma	Location *	LS



Looking southeast at second fallen tree prunings on landward shoulder and slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	8.32	Rating **	U	Issue No.		44			
LM End	8.68	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	n Trees	38.1501	12 °	38.144977 °					
пеш				-121.6823	05°	-121.683345 °			
DWR ID DWR_NA0002_02_s _ 2012_44									
		Comn	nent Cod	de					
T1: Trim t	rees to at	least five feet	above g	round level.					
		Inspecto	or Comm	nent					
Dense eucalyptus trees along landside slope.									
	,								



Looking south at untrimmed trees along landward slope.

LM Start	8.65	Issue No.		48		
LM End	8.86	Issue Type +	Location *		LS	
Category Earthen Levee				GPS La	atitud	le/Longitude
Calegory						End
Item	Trim / Thi	n Trees		38.1453	68°	38.142430 °
item				-121.6830	72 °	-121.683978 °
DWR ID DWR_NA0002_02_s _ 2013_48						

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

LM Start	8.65	Rating **	М	Issue No.	48 (cont)
LM End	8.86	Issue Type +	Ma	Location *	LS

Photo 1 of 2: SP_2017_NA0002_63_48_20170314_00047.jpg



Looking south at trees on landward slope.

Photo 2 of 2 : SP_2017_NA0002_63_48_20170314_00048.jpg



Looking north at dense trees on landward slope and toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	8.90	Rating **	М	Issue No.		47			
LM End	8.90	Issue Type +	Ma	Location *	LS				
Category	GPS La	atitud	e/Longitude						
Calegory				Start		End			
Item	Trim / Thi	n Trees	38.1419	28°	38.141928 °				
пеш				-121.6843	08 °	-121.684308 °			
DWR ID	DWR_NA0	002_02_s _ 201	3_47						
		Comn	nent Cod	le					
T1 : Trim t	rees to at	least five feet	above g	round level					
	Inspector Comment								

No Photos

LM Start	8.96	8.96 Rating ** U				19	
LM End	9.18	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental	GPS La	atitud	e/Longitude		
Calegory				Start		End	
Item		2015 USACE Erosion Survey,			99°	38.138158 °	
пеш	DRAFT			-121.6853	46°	-121.686531 °	
DWR ID DWR_NA0002_02_s _ 2016_19							
Comment Code							

Inspector Comment

2008 - Erosion causing vertical bank at the highway on top of levee. The whole bank along the highway should be repaired. 2009 - Minimal new erosion. 2011 - Bank continues to slowly erode. 2012 - Upgrade to critical, new erosion since lat year and steeper slopes in sections. 2015: Road foundation and cables exposed. Extremely large tree with exposed roots looks likely to fail and take out a significant portion of the levee. [2015 Site ID: SAC_11-2_L]

Photo 1 of 1 : SP_2017_NA0002_63_19_20170314_00022.jpg



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

WS

LM Start	9.15	Rating **	U	Issue No.		115		
LM End	9.15	Issue Type +	Ma	Location *		WS		
Catagony	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Erosion /	Bank Caving		38.1385	10°	38.138510°		
пеш				-121.686124°		-121.686124°		
DWR ID DWR_NA0002_02_s _ 2016_115								
		Comn	nent Cod	le				
E1 : Note a	and monito	or erosion site						
		Inspecto	or Comm	nent				
Erosion on waterward shoulder along highway appears to be foot erosion.								

Inspector Comment										
rosion on waterward shoulder along highway appears to be foot rosion.										
LM Start	9.15	Rating **	U	Issue No.	115 (cont)					

Location

Issue Type +

LM End



Looking west at foot erosion on waterward slope. (Fall 2016)

Photo 2 of 4: SP_2017_NA0002_63_115_20170314_00083.jpg



Looking west at foot erosion on waterward slope.

LM Start	9.15	Rating **	U	Issue No.	115 (cont)
LM End	9.15	Issue Type +	Ma	Location *	WS



Looking south at erosion on waterward shoulder.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	9.15	Rating **	U	Issue No.		115 (cont)		
LM End	9.15	Issue Type +	Ma	Location *		WS		
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Erosion /	Bank Caving		38.1385	10°	38.138510°		
item				-121.6861	24 °	-121.686124°		
DWR ID DWR_NA0002_02_s _ 2016_115								
		Comn	nent Cod	le				
E1 : Note a	and monito	or erosion site						
Inspector Comment								
Erosion or erosion.	waterwar	d shoulder alc	ng highv	vay appear	s to l	be foot		



Looking north at foot erosion at waterward shoulder and slope.

LM Start	9.36	Rating **	М	Issue No.		160	
LM End	9.36	Issue Type + Ma		Location *		WS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory			Start		End		
Item	DWR UCI	P LMA Respo	nsibility	38.1355	84°	38.135584	. •
iteiii				-121.6861	° 80	-121.686108	٥
DWR ID							

Comment Code

Inspector Comment

FS_ID:40528 DS_ID:21931 EP_NO: 16011 Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Annular space between pipes should be grouted. IF abandoned, these pipes should be abandoned properly.

FIELD_STRUCT_DESC: 18-inch corrugated metal conduit pipe through the levee 4.5 feet below the crown. Inactive 12-inch pipe sleeved through 18-inch. Both ends open. Siphon breaker and air valve in 24inch CMP riser on LS shoulder. 9'X5' concrete box with slide gate off

LS toe. Originally included in the 1959 O&M manual.

FS Date: 5/3/2013

Photo 1 of 3: UCIP_SP_2017_40528_21002.jpg



Pipe on WS slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	9.36	Rating **	М	Issue No.		160 (cont)	
LM End	9.36	Issue Type +	Ma	Location *		WS	
Category			GPS Latitude/Longitude				
Calegory	alegory					End	
Item	DWR UCI	IP LMA Respo	onsibility	38.1355	84°	38.135584°	
пеш				-121.6861	08°	-121.686108 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:40528 DS_ID:21931 EP_NO: 16011

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Annular space between pipes should be grouted. IF

abandoned, these pipes should be abandoned properly.

FIELD_STRUCT_DESC: 18-inch corrugated metal conduit pipe through the levee 4.5 feet below the crown. Inactive 12-inch pipe sleeved through 18-inch. Both ends open. Siphon breaker and air valve in 24-inch CMP riser on LS shoulder. 9'X5' concrete box with slide gate off LS toe. Originally included in the 1959 O&M manual.

FS Date: 5/3/2013

LM Start	9.36	Rating **	М	Issue No.	160 (cont)
LM End	9.36	Issue Type +	Ma	Location *	WS



18-inch CMP with 12-inch irrigation pipe sleeved through it.

Photo 3 of 3: UCIP_SP_2017_40528_21000.jpg



Standpipe and concrete box at LS.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	9.60	Rating **	U	Issue No.		16		
LM End	9.71	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thin Trees				95°	38.130537 °		
пеш				-121.686243 ° -121.6867				
DWR ID DWR_NA0002_02_s _ 2012_16								
		Comn	nent Cod	le				
T3: Trim a flood fight.	and thin tre	es to allow vis	sibility of	the ground	and	I room to		
		Inspecto	or Comm	nent				
Untrimmed trees within twenty foot zone on waterward slope.								

LM Start	9.60	Rating **	U	Issue No.	16 (cont)
LMEnd	0.71	Issue Type +	Ma	Location *	W/S



Looking south at dense vegetation (trees) on waterward slope.

Photo 2 of 2: SP_2017_NA0002_63_16_20170314_00020.jpg



Looking north at dense vegetation (trees) on waterward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	9.78	Rating **	М	Issue No.	21			
LM End	9.93	Issue Type +	Ма	Location *	WS			
Category	Supplemental			GPS Lat	ituc	le/Longitude		
Calegory	Calegory			Start		End		
Item		CE Erosion S	Survey,	38.12972	2 °	38.127672°		
пеш	DRAFT			-121.687468		-121.688646 °		
DWR ID DWR_NA0002_02_s _ 2016_21								
	Comment Code							

Inspector Comment

2004 - Wave wash pockets approximately 100 ft long with new full bank rock between the pockets. 2005 - Spot repairs, but toe is still eroding in several places. 2006 - Low vertical bank along roadway. 2007 - A PL 84-99 repair was constructed, it cover the majority of the site with the exception of the upstream 150 to 200 ft and the downstream 250 ft, therefore it is being kept in the inventory. 2009 - Minimal new erosion. 2010 - Outboard berm looks good, but the banks are still very steep. 2011 - While the outboard berm is protecting against wave wash, bank still has slumping issues. 2015: No observed changes. [2015 Site ID: SAC_10-8_Lj



USACE 2013 Photo #1

LM Start	10.26	Rating **	U	Issue No.		107	
LM End	10.48	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Vegetation Item			38.123119°		38.120256 °		
пеш				-121.690488 °		-121.692298°	
DWR ID	DWR ID DWR_NA0002_02_f _ 2014_107						

Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Bamboo on waterward slope.

Photo 1 of 2: SP_2017_NA0002_63_107_20170314_00073.jpg



Looking south at bamboo and other vegetation on waterward slope. (Fall 2016)

N: Not Inspected/Rated

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/20/2017 03/20/2017	Richard Willoughby

LM Start	10.26	Rating **	U	Issue No.	107 (cont)		
LM End	10.48	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation			38.123119°		38.120256 °	
пеш				-121.690488 °		-121.692298°	
DWR ID DWR_NA0002_02_f _ 2014_107							
Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Bamboo on waterward slope.



Looking south at dense vegetation on waterward slope. (Fall 2015)

LM Start	10.28	Rating **	М	Issue No.		113	
LM End	10.28	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Erosion / Bank Caving			38.1229)4°	38.122904 °		
пеш				-121.6908 ⁻	19°	-121.690819 °	
DWR ID	D DWR_NA0002_02_f _ 2015_113						

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Bank erosion on waterward shoulder greater than 3" depth but less than 3' in length.

Photo 1 of 1 : SP_2017_NA0002_63_113_20170314_00081.jpg



Looking at erosion on waterward shoulder.